

NOTES:

1. SUBSTRATE: N-BK7
2. COATING
S1 & S2: SWIR+
Ravg <0.5% @ 900 - 1700nm @ ±30° AOI
Rabs <1.5% @ 900 - 1700nm @ ±30° AOI



EDGES: FINE GRIND SURFACE

4. CENTERING: < 3 ARCMIN

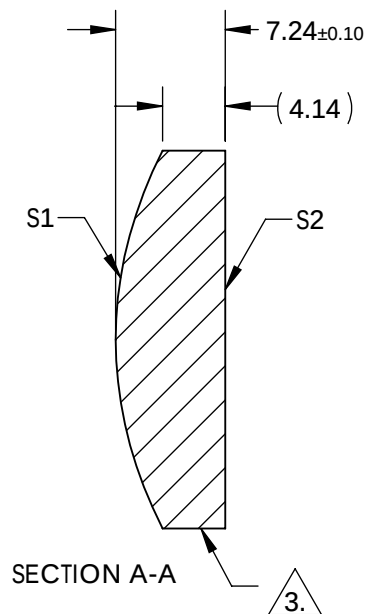
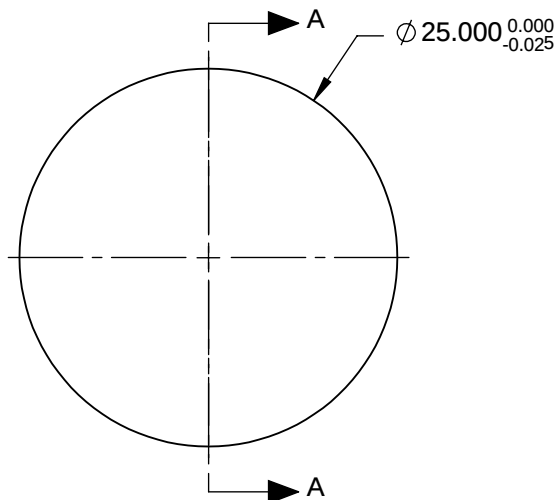
5. ASPHERIC FIGURE ERROR: 0.016 μm RMS



ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING
EQUATION AND COEFFICIENTS SHOWN IN TABLE
BELOW

$$Z(Y) = \frac{\left(\frac{1}{\text{RADIUS}}\right) * Y^2}{1 + \sqrt{1 - (1+k) * \left(\frac{1}{\text{RADIUS}}\right)^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14} + M * Y^{16}$$

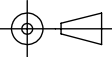
7. ROHS: COMPLIANT



COEFFICIENT TABLE 6.

	S1
SEMI-DIAMETER	1.250000E+01
COEFFICIENT	
(1/RADIUS)	3.869969E-02
k	-8.004240E-01
D	0.000000E+00
E	1.643994E-06
F	5.887865E-10
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00
M	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2	EFL: 50.00mm	 Edmund Optics ®		
SHAPE	CONVEX	PLANO	BFL: 45.23mm			
RADIUS	25.84	INFINITY				
SURFACE QUALITY	40 - 20	40 - 20	THIRD ANGLE PROJECTION 	TITLE	25mm Dia x 50mm FL, SWIR+, High Precision Aspheric Lens	
CLEAR APERTURE	Ø22.50	Ø22.50	ALL DIMS IN	mm	DWG NO	22900
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED				SHEET 1 OF 1

**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**